Title (en)
DRIVER CIRCUIT FOR SIGNAL TRANSMISSION AND CONTROL METHOD OF DRIVER CIRCUIT

Title (de)
TREIBERSCHALTUNG ZUR SIGNALÜBERTRAGUNG UND STEUERUNGSVERFAHREN DER TREIBERSCHALTUNG

Title (fr)
CIRCUIT DE COMMANDE DE TRANSMISSION DE SIGNAL ET PROCÉDÉ DE COMMANDE DU CIRCUIT D'ATTAQUE

Publication
EP 3041181 B1 20170913 (EN)

Application
EP 15186369 A 20150923

Priority
• US 201462097788 P 20141230
• US 201514822913 A 20150811

Abstract (en)
[origin: EP3041181A1] A driver circuit (100) for receiving input data and generating an output signal to a termination element (R T) is disclosed, wherein the input data has a first bit and second bit, and the driver circuit (100) includes: a pair of differential output terminals (T1, T2), arranged for outputting the output signal, wherein the pair of differential output terminals (T1, T2) has a first output terminal (T1) and a second output terminal (T2); a current mode drive unit (110, 210, 310, 410), coupled to the pair of differential output terminals (T1, T2), for outputting a current from one of the first output terminal (T1) and the second output terminal (T2), and receiving the current from the other of the first output terminal (T1) and the second output terminal (T2) according to the first bit; and a voltage mode drive unit (120, 220, 320, 420), coupled to the pair of differential output terminals (T1, T2), for providing voltages to the first output terminal (T1) and the second output terminal (T2) according to at least the second bit.

IPC 8 full level
H03K 17/10 (2006.01); **H04L 25/02** (2006.01); **H04L 25/49** (2006.01)

CPC (source: EP US)
H03K 17/10 (2013.01 - US); **H04L 25/0272** (2013.01 - EP US); **H04L 25/0282** (2013.01 - EP US); **H04L 25/4906** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3041181 A1 20160706; **EP 3041181 B1 20170913**; CN 105743486 A 20160706; CN 105743486 B 20181207; US 2016191037 A1 20160630; US 9590610 B2 20170307

DOCDB simple family (application)
EP 15186369 A 20150923; CN 201510694286 A 20151021; US 201514822913 A 20150811